

WHAT IS CLAIMED IS:

1                   1.       A method for storing information for recorded information and a  
2 source document, the method comprising:  
3                   determining a first piece of information included in the recorded information;  
4                   determining at least a first source document from one or more source  
5 documents that comprises information that matches the first piece of information; and  
6                   storing information identifying the recorded information, information  
7 representative of the first piece of information, and information identifying the first source  
8 document such that the information identifying the first source document can be determined  
9 given the information identifying the recorded information and the information representative  
10 of the first piece of information.

1                   2.       The method of claim 1, further comprising:  
2                   determining a first portion of the first source document that comprises the  
3 information that matches the first piece of information;  
4                   storing information indicative of the first portion of the first source document  
5 such that the information indicative of the first portion of the first source document can be  
6 determined given the information identifying the recorded information and the information  
7 representative of the first piece of information.

1                   3.       The method of claim 2, wherein the information indicative of the first  
2 portion of the first source document comprises at least one of a page number, slide number  
3 and an identifier.

1                   4.       The method of claim 2, wherein the first portion of the first source  
2 document can be accessed using an application accessing the first piece of recorded  
3 information.

1                   5.       The method of claim 1, further comprising:  
2                   receiving an input for the first piece of information;  
3                   determining the information identifying the first source document; and  
4                   accessing a portion of the first source document associated with the  
5 information identifying the first source document.

1                   6.       The method of claim 1, wherein the first piece of information  
2 comprises an image of a slide.

1                   7.       The method of claim 6, wherein the information that matches the first  
2 piece of information comprises a matching image of the slide.

1                   8.       The method of claim 1, wherein storing the information identifying the  
2 first source document comprises determining an identifier for the first source document and  
3 an identifier for a portion in the first source document.

1                   9.       The method of claim 8, wherein determining the identifier for the  
2 portion in the first source document comprises:  
3                   matching the first piece of information to information in the one more source  
4 documents; and  
5                   determining the information identifying the first source document using the  
6 matched information.

1                   10.      The method of claim 8, wherein determining the identifier for the  
2 portion in the first source document comprises:  
3                   determining temporal information for the first piece of information;  
4                   determining the portion of the first source document using the temporal  
5 information; and  
6                   determining the identifier for the portion of the first source document.

1                   11.      The method of claim 1, wherein determining at least the first source  
2 document comprises:  
3                   matching the first piece of information to information in the one more source  
4 documents; and  
5                   determining the information identifying the first source document.

1                   12.      The method of claim 1, wherein the first piece of information  
2 comprises at least one of video information and audio information.

1                   13.      A method for storing information for recorded information and a  
2 source document, the method comprising:  
3                   determining information identifying a first piece of information from a source  
4 document;

5                   determining at least a first recorded information that comprises information  
6 that matches the first piece of information;  
7                   determining one or more portions of the first recorded information comprising  
8 information that is associated with the a first recorded information; and  
9                   storing information identifying the source document, information  
10 representative of the first piece of information, information identifying the first recorded  
11 information, and information identifying the one or more portions of the first recorded  
12 information such that the information identifying the first recorded information and the  
13 information identifying the one or more portions of the first recorded information can be  
14 determined given the information identifying the source document and the information  
15 representative of the first piece of information.

1                   14.     The method of claim 13, wherein the first piece of the source  
2 document comprises at least one of a page number, slide number and an identifier.

1                   15.     The method of claim 13, wherein the first recorded information can be  
2 accessed using an application accessing the information identifying the first piece of  
3 information from the source document.

1                   16.     The method of claim 13, further comprising:  
2 receiving an input for the information representative of the first piece of  
3 information;  
4 determining the information identifying the first recorded information; and  
5 accessing the one or more portions of the first recorded information.

1                   17.     The method of claim 13, wherein the first piece of information  
2 comprises an image of a slide.

1                   18.     The method of claim 17, wherein the first recorded information that  
2 matches the first piece of information comprises a matching image of the slide.

1                   19.     The method of claim 13, wherein storing the information identifying  
2 the source document and information representative of the first piece of information  
3 comprises determining an identifier for the source document and an identifier for the first  
4 piece of information.

1                   20.     The method of claim 13, wherein determining one or more portions of  
2 the first recorded information comprises:  
3                   determining the information identifying the one or more portions using the  
4 matched information.

1                   21.     The method of claim 13, wherein determining one or more portions of  
2 the first recorded information comprises:  
3                   determining temporal information for the first piece of information;  
4                   determining the one or more portions of the first recorded information using  
5 the temporal information; and  
6                   determining the identifier for the one or more portions of the first recorded  
7 information.

1                   22.     The method of claim 13, wherein determining one or more portions of  
2 the first recorded information comprises:  
3                   matching the first piece of information to information in the first recorded  
4 information; and  
5                   determining the information identifying the first recorded information.

1                   23.     The method of claim 13, wherein the first recorded information  
2 comprises at least one of video information and audio information.

1                   24.     A structure that stores information for one or more portions in a source  
2 document and recorded information, the structure comprising:  
3                   source document information identifying a source document;  
4                   one or more source identifiers identifying the one or more portions of the  
5 source document; and  
6                   information identifying one or more portions of the recorded information for  
7 each source identifier of the one or more source identifiers,  
8                   wherein the one or more source identifiers and the source document  
9 information can be determined given the information identifying the one or more portions of  
10 the recorded information.

1                   25.     The structure of claim 24, wherein the one or more source identifiers  
2 comprises a reference used to retrieve the one or more portions of the source document.

- 1                   26.     The structure of claim 25, wherein the reference comprises a  
2     pagination number.
- 1                   27.     The structure of claim 24, wherein the information identifying the one  
2     or more portions of recorded information are associated with temporal information, wherein  
3     the temporal information is used to access the one or more portions of the source document.
- 1                   28.     The structure of claim 24, wherein the information identifying the one  
2     or more portions of the recorded information comprises a reference to a storage location of  
3     the recorded information.
- 1                   29.     The structure of claim 28, further comprising a reference type that  
2     identifies a type of information for the reference.
- 1                   30.     The structure of claim 24, further comprising one or more source  
2     document type identifiers that identify a type of information for the one or more source  
3     identifiers.
- 1                   31.     The structure of claim 24, wherein the structure is an XML structure.
- 1                   32.     A structure including information that links one or more portions in a  
2     source document with one or more sections of multimedia information, the structure  
3     comprising:  
4                   source document information identifying a source document;  
5                   a recorded information identifier identifying the recorded information; and  
6                   information identifying one or more portions of the recorded information for  
7     recorded information identifier,  
8                   wherein the source document information can be determined given the  
9     information identifying the recorded information identifier and the one or more portions of  
10    the recorded information.
- 1                   33.     The structure of claim 32, wherein source document information  
2     comprises one or more source document identifiers that identify one or more portions of the  
3     source document.

1                   34.     The structure of claim 33, wherein the portion in the one or more  
2 portions of the source document is determined based on a portion in the recorded  
3 information.

1                   35.     The structure of claim 33, wherein the source document information is  
2 associated with pagination numbers, wherein a portion of the source document can be  
3 accessed at its associated pagination number using information identifying a portion of the  
4 recorded information.

1                   36.     The structure of claim 32, wherein the recorded information identifier  
2 comprises a location where the recorded information is stored.

1                   37.     The structure of claim 32, further comprising a recorded information  
2 type identifier that identifies a type of information for the recorded information.

1                   38.     The structure of claim 32, wherein the information identifying the one  
2 or more portions of recorded information comprises one or more locations where the one or  
3 more portions of the recorded information are stored.

1                   39.     The structure of claim 32, further comprising a source document  
2 identifier that identifies a type of information for the source document information.

1                   40.     The structure of claim 32, wherein the structure is an XML structure.

1                   41.     A data processing system for storing information for recorded  
2 information and a source document, the data processing system comprising:

3                   a processor;

4                   a memory coupled to the processor, the memory configured to store a plurality  
5 of code modules for execution by the processor, the plurality of code modules comprising:  
6                   a code module for determining a first piece of information included in  
7 the recorded information;

8                   a code module for determining at least a first source document from  
9 one or more source documents that comprises information that matches the first piece of  
10 information; and

11                   a code module for storing information identifying the recorded  
12 information, information representative of the first piece of information, and information

13 identifying the first source document such that the information identifying the first source  
14 document can be determined given the information identifying the recorded information and  
15 the information representative of the first piece of information.

1 42. The data processing system of claim 41, further comprising:  
2 a code module for determining a first portion of the first source document that  
3 comprises the information that matches the first piece of information;  
4 a code module for storing information indicative of the first portion of the first  
5 source document such that the information indicative of the first portion of the first source  
6 document can be determined given the information identifying the recorded information and  
7 the information representative of the first piece of information.

1 43. The data processing system of claim 42, wherein the information  
2 indicative of the first portion of the first source document comprises at least one of a page  
3 number, slide number and an identifier.

1 44. The data processing system of claim 42, wherein the first portion of the  
2 first source document can be accessed using an application accessing the first piece of  
3 recorded information.

1 45. The data processing system of claim 41, further comprising:  
2 a code module for receiving an input for the first piece of information;  
3 a code module for determining the information identifying the first source  
4 document; and  
5 a code module for accessing a portion of the first source document associated  
6 with the information identifying the first source document.

1 46. The data processing system of claim 41, wherein the first piece of  
2 information comprises an image of a slide.

1 47. The data processing system of claim 46, wherein the information that  
2 matches the first piece of information comprises a matching image of the slide.

1 48. The data processing system of claim 41, wherein the code module for  
2 storing the information identifying the first source document comprises a code module for

3 determining an identifier for the first source document and an identifier for a portion in the  
4 first source document.

1 49. The data processing system of claim 48, wherein the code module for  
2 determining the identifier for the portion in the first source document comprises:  
3 a code module for matching the first piece of information to information in the  
4 one more source documents; and  
5 a code module for determining the information identifying the first source  
6 document using the matched information.

1 50. The data processing system of claim 48, wherein the code module for  
2 determining the identifier for the portion in the first source document comprises:  
3 a code module for determining temporal information for the first piece of  
4 information;  
5 a code module for determining the portion of the first source document using  
6 the temporal information; and  
7 a code module for determining the identifier for the portion of the first source  
8 document.

1 51. The data processing system of claim 41, wherein the code module for  
2 determining at least the first source document comprises:  
3 a code module for matching the first piece of information to information in the  
4 one more source documents; and  
5 a code module for determining the information identifying the first source  
6 document.

1 52. The data processing system of claim 41, wherein the first piece of  
2 information comprises at least one of video information and audio information.

1 53. A data processing system for storing information for recorded  
2 information and a source document, the data processing system comprising:  
3 a processor;  
4 a memory coupled to the processor, the memory configured to store a plurality  
5 of code modules for execution by the processor, the plurality of code modules comprising:  
6 a code module for determining information identifying a first piece of  
7 information from a source document;



8 a code module for determining at least a first recorded information that  
9 comprises information that matches the first piece of information;

10 a code module for determining one or more portions of the first  
11 recorded information comprising information that is associated with the a first recorded  
12 information; and

13 a code module for storing information identifying the source  
14 document, information representative of the first piece of information, information  
15 identifying the first recorded information, and information identifying the one or more  
16 portions of the first recorded information such that the information identifying the first  
17 recorded information and the information identifying the one or more portions of the first  
18 recorded information can be determined given the information identifying the source  
19 document and the information representative of the first piece of information.

1 54. The data processing system of claim 53, wherein the first piece of the  
2 source document comprises at least one of a page number, slide number and an identifier.

1 55. The data processing system of claim 53, wherein the first recorded  
2 information can be accessed using an application accessing the information identifying the  
3 first piece of information from the source document.

1 56. The data processing system of claim 53, further comprising:  
2 a code module for receiving an input for the information representative of the  
3 first piece of information;  
4 a code module for determining the information identifying the first recorded  
5 information; and  
6 a code module for accessing the one or more portions of the first recorded  
7 information.

1 57. The data processing system of claim 53, wherein the first piece of  
2 information comprises an image of a slide.

1 58. The data processing system of claim 57, wherein the first recorded  
2 information that matches the first piece of information comprises a matching image of the  
3 slide.

1           59.     The data processing system of claim 53, wherein the code module for  
2 storing the information identifying the source document and information representative of the  
3 first piece of information comprises a code module for determining an identifier for the  
4 source document and an identifier for the first piece of information.

1           60.     The data processing system of claim 53, wherein determining one or  
2 more portions of the first recorded information comprises:

3                 determining the information identifying the one or more portions using the  
4 matched information.

1           61.     The data processing system of claim 53, wherein the code module for  
2 determining one or more portions of the first recorded information comprises:

3                 a code module for determining temporal information for the first piece of  
4 information;

5                 a code module for determining the one or more portions of the first recorded  
6 information using the temporal information; and

7                 a code module for determining the identifier for the one or more portions of  
8 the first recorded information.

1           62.     The data processing system of claim 53, wherein the code module for  
2 determining one or more portions of the first recorded information comprises:

3                 a code module for matching the first piece of information to information in the  
4 first recorded information; and

5                 a code module for determining the information identifying the first recorded  
6 information.

1           63.     The data processing system of claim 53, wherein the first recorded  
2 information comprises at least one of video information and audio information.

1           64.     A computer program product stored on a computer-readable medium  
2 for storing information for recorded information and a source document, the computer  
3 program product comprising:

4                 code for determining information identifying a first piece of information from  
5 a source document;

6                   code for determining at least a first recorded information that comprises  
7 information that matches the first piece of information;  
8                   code for determining one or more portions of the first recorded information  
9 comprising information that is associated with the a first recorded information; and  
10                  code for storing information identifying the source document, information  
11 representative of the first piece of information, information identifying the first recorded  
12 information, and information identifying the one or more portions of the first recorded  
13 information such that the information identifying the first recorded information and the  
14 information identifying the one or more portions of the first recorded information can be  
15 determined given the information identifying the source document and the information  
16 representative of the first piece of information.

1                   65.     The computer program product of claim 64, further comprising:  
2                   code for determining a first portion of the first source document that comprises  
3 the information that matches the first piece of information;  
4                   code for storing information indicative of the first portion of the first source  
5 document such that the information indicative of the first portion of the first source document  
6 can be determined given the information identifying the recorded information and the  
7 information representative of the first piece of information.

1                   66.     The computer program product of claim 65, wherein the first portion of  
2 the first source document can be accessed using an application accessing the first piece of  
3 recorded information.

1                   67.     The computer program product of claim 64, further comprising:  
2                   code for receiving an input for the first piece of information;  
3                   code for determining the information identifying the first source document;  
4 and  
5                   code for accessing a portion of the first source document associated with the  
6 information identifying the first source document.

1                   68.     The computer program product of claim 64, wherein the code for  
2 storing the information identifying the first source document comprises code for determining  
3 an identifier for the first source document and an identifier for a portion in the first source  
4 document.

1                   69.     The computer program product of claim 68, wherein the code for  
2 determining the identifier for the portion in the first source document comprises:  
3                   code for matching the first piece of information to information in the one more  
4 source documents; and  
5                   code for determining the information identifying the first source document  
6 using the matched information.

1                   70.     The computer program product of claim 68, wherein the code for  
2 determining the identifier for the portion in the first source document comprises:  
3                   code for determining temporal information for the first piece of information;  
4                   code for determining the portion of the first source document using the  
5 temporal information; and  
6                   code for determining the identifier for the portion of the first source document.

1                   71.     The computer program product of claim 64, wherein the code for  
2 determining at least the first source document comprises:  
3                   code for matching the first piece of information to information in the one more  
4 source documents; and  
5                   code for determining the information identifying the first source document.

1                   72.     A computer program product stored on a computer-readable medium  
2 for storing information for recorded information and a source document, the computer  
3 program product comprising:

4                   code for determining information identifying a first piece of  
5 information from a source document;  
6                   code for determining at least a first recorded information that  
7 comprises information that matches the first piece of information;  
8                   code for determining one or more portions of the first recorded  
9 information comprising information that is associated with the a first recorded information;  
10 and

11                   code for storing information identifying the source document,  
12 information representative of the first piece of information, information identifying the first  
13 recorded information, and information identifying the one or more portions of the first  
14 recorded information such that the information identifying the first recorded information and

15 the information identifying the one or more portions of the first recorded information can be  
16 determined given the information identifying the source document and the information  
17 representative of the first piece of information.

1               73.     The computer program product of claim 72, wherein the first recorded  
2 information can be accessed using an application accessing the information identifying the  
3 first piece of information from the source document.

1               74.     The computer program product of claim 72, further comprising:  
2 code for receiving an input for the information representative of the first piece  
3 of information;  
4 code for determining the information identifying the first recorded  
5 information; and  
6 code for accessing the one or more portions of the first recorded information.

1               75.     The computer program product of claim 72, wherein the code for  
2 storing the information identifying the source document and information representative of the  
3 first piece of information comprises code for determining an identifier for the source  
4 document and an identifier for the first piece of information.

1               76.     The computer program product of claim 72, wherein the code for  
2 determining one or more portions of the first recorded information comprises:  
3 code for determining the information identifying the one or more portions  
4 using the matched information.

1               77.     The computer program product of claim 72, wherein the code for  
2 determining one or more portions of the first recorded information comprises:  
3 code for determining temporal information for the first piece of information;  
4 code for determining the one or more portions of the first recorded information  
5 using the temporal information; and  
6 code for determining the identifier for the one or more portions of the first  
7 recorded information.

1               78.     The computer program product of claim 72, wherein the code for  
2 determining one or more portions of the first recorded information comprises:

3                   code for matching the first piece of information to information in the first  
4 recorded information; and  
5                   code for determining the information identifying the first recorded  
6 information.